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     6
        DEC 14 CA/CAplus to be enhanced with updated IPC codes
NEWS
     7
        DEC 21
               IPC search and display fields enhanced in CA/CAplus with the
                IPC reform
NEWS 8
        DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
                USPAT2
NEWS 9
        JAN 13
               IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
                INPADOC
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 13 JAN 30 Saved answer limit increased
NEWS 14 JAN 31 Monthly current-awareness alert (SDI) frequency
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NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
http://download.cas.org/express/v8.0-Discover/

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FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 3 FEB 2006 HIGHEST RN 873528-70-2 DICTIONARY FILE UPDATES: 3 FEB 2006 HIGHEST RN 873528-70-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

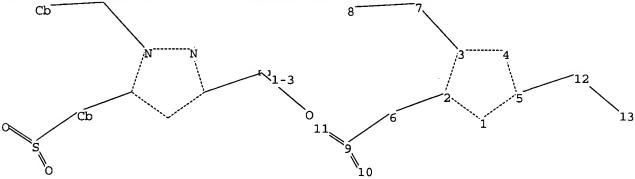
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Structure search iteration limits have been increased. See HELP SLIMITS for details.

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http://www.cas.org/ONLINE/UG/regprops.html

Uploading C:\Program Files\Stnexp\Queries\10628375.str



Page 2

chain nodes :

6 7 8 9 10 11 12 13

ring nodes : 1 2 3 4 5 chain bonds :

2-6 3-7 5-12 6-9 7-8 9-10 9-11 12-13

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 3-4 3-7 4-5 9-10 9-11 12-13

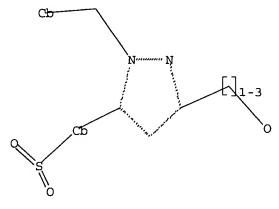
exact bonds:
2-6 5-12 6-9 7-8
isolated ring systems:
containing 1:

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> D L1 HAS NO ANSWERS L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 02:08:13 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 541 TO ITERATE

100.0% PROCESSED 541 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 9425 TO 12215

PROJECTED ANSWERS: 0 TO 0

Page 3 saeed

L2 0 SEA SSS SAM L1

=> S L1 FULL

FULL SEARCH INITIATED 02:08:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 10476 TO ITERATE

100.0% PROCESSED 10476 ITERATIONS

14 ANSWERS

SEARCH TIME: 00.00.01

L3 14 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

166.94 167.15

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FILE COVERS 1907 - 6 Feb 2006 VOL 144 ISS 7 FILE LAST UPDATED: 5 Feb 2006 (20060205/ED)

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=> S L3

L4 3 L3

=> D IBIB ABS HITSTR TOT

L4 ANSWER 1 OF 3
ACCESSION NUMBER:
DOCUMENT NUMBER:
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AUTHOR(S):

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The synthesis of a series of novel pyrazoles containing a nitrate (ONO2) moiety as a nitric oxide (NO)-donor functionality is reported. Their COX-1 and COX-2 inhibitory activities in human whole blood are profiled. The data demonstrate that pyrazole ring substituents play an important role in COX-2 selective inhibition, such that a cycloalkylpyrazole (1, X = CH2) was found to be a potent and selective COX-2 inhibitor. Other modifications at the 3 position of the central pyrazole ring (I, X = CG103), (2100H) (CH2)3, (2)-CHICGH2CH2) enhanced COX-2 inhibitory potency. Among the pyrazoles synthesized, the oxime (I, X = CG100H) (CH2)3) was identified as the most potent COX-2 selective inhibitor. Accordingly, this compound was profiled pharmacol. in the rat after oral administration and shown to possess potent antiinflammatory activity in the carrageman-induced air-pouch model and less gastric toxicity than a ddard AB

carrageeman-induced air-pouch model and less yastice towarts, them a standard COX-2 inhibitor when administered with background aspirin treatment. The enhanced gastric tolerance of an No-donor COX-2 selective inhibitor has the potential to augment the clin. profile of this drug class.

If 634058-48-79 634058-127 634058-53-49
Ri: PAC (Pharmacological activity), RCT (Reactant), SPN (Synthetic preparation), BIOL (Biological study), PREP (Preparation), RACT (Reactant

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued) or reagent)
(preph. and selective cyclooxygenase-2 inhibitory activity of nitric oxide donor-contg. pyrazoles)
654058-48-7 CAPLUS
H-Pyrazole-3-methanol, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-(9CI) (CA INDEX NAME)

654058-51-2 CAPLUS
1H-Pyrazole-3-methanol, 5-[4-(methylsulfonyl)phenyl]-1-(phenylmethyl)-(9C1) (CA INDEX NAME)

654058-53-4 CAPLUS IM-Pyrazole-3-propanol, 1-{cyclohexylmethyl}-5-[4-{methylsulfonyl}phenyl]-(CCI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

- (CH2)3 но

654058-52-3P 654058-60-3P 654058-64-7P
654058-66-9P 654058-67-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PARE (Preparation)
(preparation and selective cyclooxygenase-2 inhibitory activity of nitric oxide donor-containing pyrazoles)
654058-52-3 CAPLUS
2-Propen-1-01, 3-[1-(cyclohexylmethyl)-5-(4-(methylsulfonyl)phenyl]-1H-pyrazol-3-yl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

654058-60-3 CAPLUS
1H-Pyrazole-3-methanol, 1-(cyclohexylmethyl)-5-(4-(methylsulfonyl)phenyl), nitrate (ester) (SCI) (CA INDEX NAME)

654058-64-7 CAPLUS

Page 5

saeed

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued) 1H-Pyrazole-3-methanol, 5-[4-(methylsulfonyl)phenyl]-1-(phenylmethyl)-, nitrate (ester) (SCI) (CA INDER NAME)

654058-66-9 CAPLUS
2-Propen-1-01, 3-[1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-1Hpyrazol-3-yl]-, nitrate (ester), (28)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

654058-67-0 CAPLUS
1H-Pyrazole-3-propanol, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl], nitrate (ester) (9C1) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:100955 CAPLUS
DOCUMENT NUMBER: 10:157441
TITLE: Cyclooxygenase- 2 selective inhibitors, compositions and methods of use
Garvey, David S.; Khanapure, Subhash P.; Ranatunge, Ramani R.; Richardson, Stewart K.; Schroeder, Joseph

D.
Nitromed, Inc., USA
PCT Int. Appl., 140 pp.
CODEN: PIXXD2 PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: Patent English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

		ENT I															ATE	
							-									-		
		2004									WO 2	003-	US 23	605		2	0030	729
	WO	2004	0109	45		A3		2004	0422									
		W:	AE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			co.	CR.	CU,	CZ,	DE.	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM.	HR.	HU.	ID.	IL.	IN,	IS.	JP,	KE,	KG.	KP,	KR,	KZ,	LC.	LK,	LR,
			LS.	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,	OM,
			PG.	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SŁ,	SY,	TJ,	TM,	TN,
			TR.	TT.	TZ.	UA.	UG.	US.	UZ.	VC,	VN,	YU,	ZA.	ZM,	ZW			
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
			KG.	KZ,	MD,	RU,	TJ.	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
			FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,
			BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	G₩,	ML,	MR,	NE,	SN,	TD,	TG
	CA	2493	156			AA		2004	0205		CA 2	003-	2493	156		2	0030	729
	US	2004	0728	83		A1		2004	0415	1	US 2	003-	6283	75		2	0030	729
	EP	1542	972			A2		2005	0622	:	EP 2	003-	7720	04		2	0030	729
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK	
	JP	2005	5381	10														
PRIO	RIT	APP:	LN.	INFO	.:					1	US 2	002-	3988	29P		P 2	0020	729
										,	70 2	003	11022	CAE			0020	220

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

654058-53-4 CAPLUS

1H-Pyrazole-3-propanol, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-(9C1) (CA INDEX NAME)

HO- (CH2) 3

654058-67-0 CAPLUS

1H-Pyrazole-3-propanol, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl], nitrate (ester) (9CI) (CA INDEX NAME)

02N-0- (CH2)3

654058-56-7P 654058-58-9P 654058-60-3P 654058-62-3P 654058-64-7P RE: PAC (Pharmacological activity), SPN (Synthetic preparation), THU (Therapeutic use), BIOL (Biological study), PREP (Preparation), USES

(antiinflammatory cyclooxygenase-2 selective inhibitors)

RN 654058-56-7 CAPLUS

CN 2-Propencic acid, 3-[1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-1H-

ANSVER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued) improving the cardiovascular profile of COX-2 selective inhibitors. 654038-48-77e 54058-51-2F 054058-52-3F 054058-53-4F 054058-67-0F RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); RACT (Reactant or reagent); USES (Uses) (Preparation); RACT (Reactant or reagent); USES (Uses) (antiinflammatory cycloxygensae-2 selective inhibitors) 654058-48-7 CAPLUS HI-Pyracolog-3-methanol, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-(9CI) (CA INDEX NAME)

654058-51-2 CAPLUS IH-Pyrazole-3-mathanol, 5-[4-(methylsulfonyl)phenyl}-1-(phenylmethyl)-(SCI) (CA INDEX NAME)

654058-52-3 CAPLUS 2-Propen-1-ol, 3-[1-{cyclohexylmethyl}-5-[4-(methylsulfonyl)phenyl]-1H-pyrazol-3-yl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued) pyrazol-3-yl]-, methyl ester, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

654058-58-9 CAPLUS
1H-Pyrazole-3-carboxylic acid, 5-[4-(methylsulfonyl)phenyl]-1-(phenylmethyl)-, methyl ester (9CI) (CA INDEX NAME)

654058-60-3 CAPLUS IH-Pyrazole-3-methanol, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-, nitrate (ester) (SCI) (CA INDEX NAME)

02N-0-CH2

654058-62-5 CAPLUS Ethanol, 2-([1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-1H-pyrazol-3-yl]methoxyl-, nitrate (ester) (SCI) (CA INDEX NAME)

Page 6 saeed

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

654058-64-7 CAPLUS
1H-Pyrazole-3-methanol, 5-[4-(methylsulfonyl)phenyl]-1-(phenylmethyl)-, nitrate (ester) (SCI) (CA INDEX NAME)

IT

654058-66-9
RL: PAC (Pharmacological activity), THU (Therapeutic use), BIOL (Biological study); USES (Uses)
(antiinflammatory cyclooxygenase-2 selective inhibitors)
654058-66-9 CAPLUS
2-Propen-1-ol, 3-[1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-1Hpyrazol-3-yl}-, nitrate (ester), (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

654058-86-32

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:350656 CAPLUS

131:5254
131:5254
131:5254
131:5254
PREPARATION OF 5-arylpyrazoles as COX-2 selective inhibitors

INVENTOR(5): Nakamira, Katsuya; Terasaka, Tadashi; Ogino, Takashi; Noda, Yuka; Manabe, Takashi
PATENT ASSIGNEE(5): FUJisawa Pharmaceutical Co., Ltd., Japan
PCOMENT TYPE: Patent
LANGUAGE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
FAMILY ACC. NUM. COUNT: 1

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
WO 9925695	A1 19990527	WO 1998-JP5041	19981110
W: JP, US			
RW: AT, BE, CH,	CY, DE, DK, ES,	FI, FR, GB, GR, IE, IT	r, LU, MC, NL,
PT, SE			
JP 2002509554	T2 20020326	JP 1999-528127	19981110
PRIORITY APPLN. INFO.:		AU 1997-423	A 19971118
		WO 1998-JP5041	W 19981110
OTHER SOURCE(S):	MARPAT 131:5254		

The title compds. [I; Rl = (un) substituted aryl; R2 = H, NH2, halo, etc.; R3 = H, aryl optionally substituted with halogen, lower alkyl; R4 = (un) substituted aryl; A = lower alkylene], useful for the treatment and/or prevention of inflammatory conditions, various pains, collagen diseases, autoimmune diseases, various immunity disease, analgesic, thrombosis, autoimmune diseases, various immunity disease, analgesic, thrombosis, cancer or neurodegenerative diseases, were prepared Thus, refluxing 4,4,4-trifluoro-1-[4-(methylsulfonyl)phenyl]butane-1,3-dione with 3-fluorobenzylhydrazine in AcOH afforded I (A = CH2; Rl = 3-FCGH4; R2 = CF3; R3 = H; R5 = 4-(MeSO2)CGH4) which showed secondary lesion inhibition (uninjected paw) of > 60% at 1.0 mg/kg in rats.
225791-84-0P 225791-90-89
RL: RAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant) > SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREF (Preparation); RACT (Reactant or resgent); USES (Uses)
(preparation of 5-arylpyrazoles as COX-2 selective inhibitors)
225791-84-0 CAPLUS
IH-Pyrazole-3-carboxamide, 1-[(2,4-difluorophenyl)methyl]-5-[4-(methylsulfonyl)phenyl]- {SCI} (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continu (Reactant or reagent) (antinflammatory cyclooxygenase-2 selective inhibitors) 654058-86-3 CAPLUS H-Pyrazole-3-carboxylic acid, 1-(cyclohexylmethyl)-5-[4-(methylsulfonyl)phenyl]-, methyl ester (9CI) (CA INDEX NAME) (Continued)

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

225781-90-8 CAPLUS
IH-Pyrazole-3-carboxylic acid, 1-[(2,4-difluorophenyl)methyl]-5-[4-methylsulfonyl)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y) /N/HOLD: Y

COST IN U.S. DOLLARS SINCE FILE TOTAL SESSION 183.40 ENTRY

FULL ESTIMATED COST 16.25 183.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

ENTRY SESSION -2.25 CA SUBSCRIBER PRICE

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